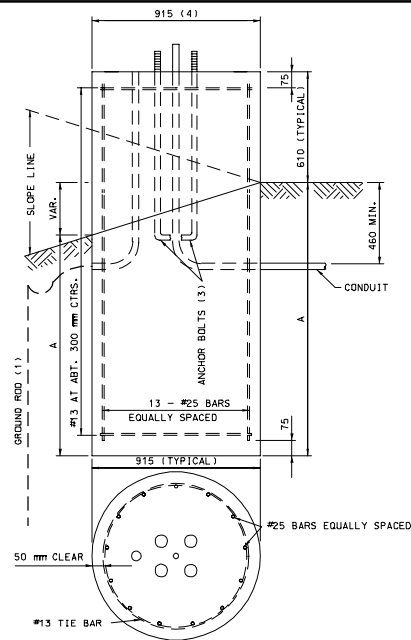
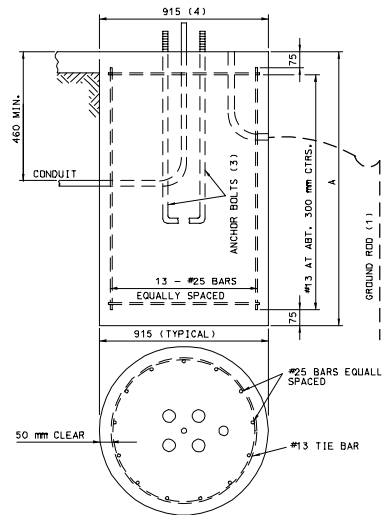


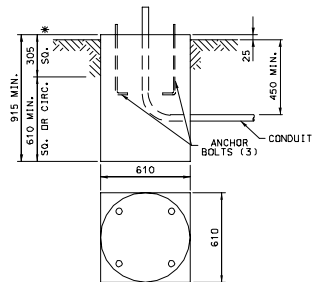
TYPE A



TYPE A MODIFIED



TYPE B



TYPE C

- (1) APPLICABLE ONLY WHERE CONTROLLER IS MOUNTED TO A SIGNAL POLE.
- (2) IF BOLT CIRCLE DIAMETER IS 560 mm OR GREATER, USE TYPE A MODIFIED BASE. BASE PLATE SHALL STAY WITHIN THE TOP OF THE POST BASE DIAMETER.
- (3) ANCHOR BOLT DIMENSIONS ARE SHOWN ON THE MANUFACTURER'S APPROVED DRAWINGS.
- (4) MAXIMUM BOLT CIRCLE DIAMETER IS 660 mm. BASE PLATE SHALL STAY WITHIN THE TOP OF THE POST BASE DIAMETER.

POST BASES

POST BASES		
POST TYPE	ARM LENGTH (m) (5)	BASE TYPE (6)
B, BL, C & CL	2.4 - 4.3	A-8 OR B-8
B, BL, C & CL	4.6 - 7.3	A-10 OR B-10
B & BL	7.6 - 10.4	A-10 (MOD) OR B-10 (MOD)
C & CL	7.6 - 10.4	A-10 OR B-10
B, BL, C & CL	10.7 - 16.5	A-13 (MOD) OR B-13

(5) ARM LENGTH BASED ON LENGTH OF LONGEST ARM FOR TYPE B & BL SIGNAL POSTS.

(6) BASE TYPE BASED ON LOCATION ON POST BASE.

BASES		#25 STEEL BAR	CONC. M ³
TYPE	A DIM (7) mm	LENGTH mm	
A-8	2440	2900	1.94
A-10	3050	3510	2.34
A-13	3960	4420	2.94
A-8 (MOD)	2440	2900	1.81
A-10 (MOD)	3050	3510	2.18
A-13 (MOD)	3960	4420	2.74
B-8	2440	2290	1.44
B-10	3050	2900	1.81
B-13	3960	3810	2.37
C			0.34

(7) SOIL DEPTH, NO ROCK.
(8) INCLUDE #13 TIE BAR

* SURFACE OF BASE TO BE CONSTRUCTED SQUARE FOR A DEPTH OF 305 mm.

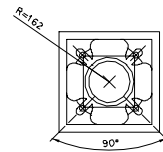
BASE EMBEDMENT IN SOLID ROCK			
SOLID ROCK ENCOUNTER POINT	REQUIRED EMBEDMENT FOR BASE TYPE		
	A-8 A-8 MOD B-8	A-10 A-10 MOD B-10	A-13 A-13 MOD B-13
AT SURFACE	1370	1450	1755
AT ONE-FOURTH NORMAL DEPTH	1065	1220	1525
AT ONE-HALF NORMAL DEPTH	915	990	990
AT THREE-FOURTHS NORMAL DEPTH	380	380	305

1. REQUIRED EMBEDMENT DEPTHS CAN BE INTERPOLATED BETWEEN ENCOUNTER POINTS FOR OTHER SOLID ROCK ENCOUNTER DEPTHS.
2. NORMAL LENGTHS FOR ANCHOR BOLTS AND REINFORCING STEEL WILL BE REQUIRED.
3. CORE DRILL HOLES FOR ANCHOR BOLTS AND REINFORCING STEEL IN SOLID ROCK SHALL BE PROVIDED. CORE DRILL HOLES SHALL BE TWICE THE DIAMETER OF THE ANCHOR BOLT AND REINFORCING STEEL DIAMETER AND TO WITHIN 75 mm OF THE NORMAL BASE DEPTH.
4. IF SOIL, SHALE, GRAVEL, FRACTURED ROCK, OR VOIDS ARE ENCOUNTERED DURING CORE DRILLING, THE ROCK SHALL BE REMOVED TO THE POINT OF ENCOUNTER.
5. ANCHOR BOLTS AND REINFORCING STEEL SHALL BE GROUTED IN THE CORE DRILL HOLES WITH NON-SHRINK GROUT HAVING A MINIMUM STRENGTH OF 4082 kg IN 24 HOURS.
6. STRAIGHT ANCHOR BOLTS OF THE LENGTH SHOWN IN THE ANCHOR BOLT TABLE UNDER THE COLUMN "BOLT LENGTH" ARE ADEQUATE FOR USE IN GROUTED CORE DRILLED HOLES.

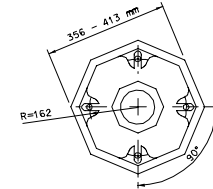
GENERAL NOTES:

ALL DIMENSIONS SHOWN ARE IN mm UNLESS OTHERWISE NOTED.

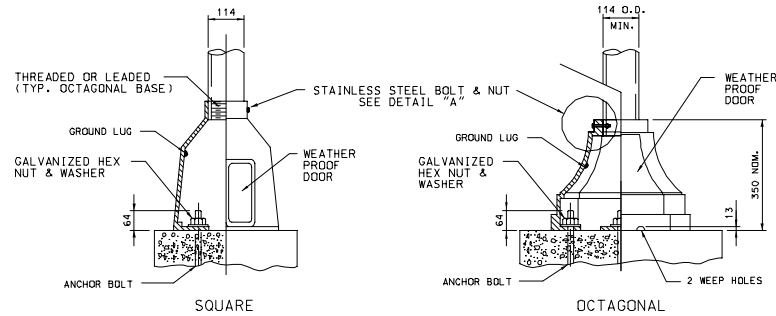
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION			
TRAFFIC SIGNALS			
POST BASES			
DATE: _____	EFFECTIVE: 07-01-2001	M902.30N	1 2



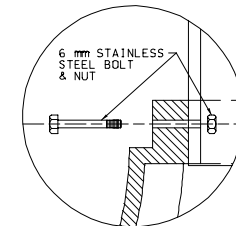
BOLT CIRCLE



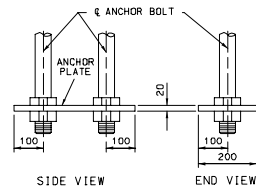
BOLT CIRCLE



CAST BASE

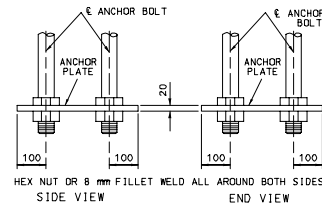


DETAIL "A"



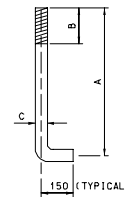
HEX NUT OR 8 mm FILLET
WELD ALL AROUND BOTH SIDES

TWO BOLTS PER PLATE



HEX NUT OR 8 mm FILLET WELD ALL AROUND BOTH SIDES

FOUR BOLTS PER PLATE



ANCHOR BOLT

NOTE:
ALL ANCHOR BOLTS SHALL BE FULLY GALVANIZED.

BOLT LENGTH	VERT. HT. A	THREAD LEN. B	DIA. C
mm	mm	mm	mm
485	435	40	15.9
1450	1300	180	31.8
2010	1860	190	38.1
2390	2240	205	44.4
3075	2925	215	50.8
3050	2900	230	57.2
3710	3560	240	63.5

GENERAL NOTES:
ALL DIMENSIONS SHOWN ARE IN mm UNLESS OTHERWISE NOTED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION			
TRAFFIC SIGNALS POST BASES			
DATE: _____	EFFECTIVE: 07-01-2001	M902.30N	2/2